FLIGHT

First Aero Weekly in the World.

A Journal devoted to the Interests, Pastime and Progress of Aerial Locomotion and Ballooning

OFFICIAL ORGAN OF THE ROYAL AERO CLUB OF THE UNITED KINGDOM

No. 79. (Vol. 2.) | [illegible] | [illegible] | [illegible]

FLYING AT BROOKLANDS. [illegible] photographs on [illegible] was the [illegible] the [illegible] the first passenger to ascend on the day [illegible] Henry Farman [illegible] Lady Abdy [illegible] Miss [illegible] Clapp by a [illegible] Lower [illegible] photographs Mr. Astley [illegible] on his monoplane.

SAVE US FROM SOME WOULD-BE FRIENDS!

[illegible]

[illegible]

[illegible]

THE DUNNE AEROPLANE.

General [illegible] very marked [illegible].

[illegible]

Another aid [illegible] the [illegible] plane [illegible] look at [illegible] shown [illegible] in the foreground reveals an negative angle of [illegible]

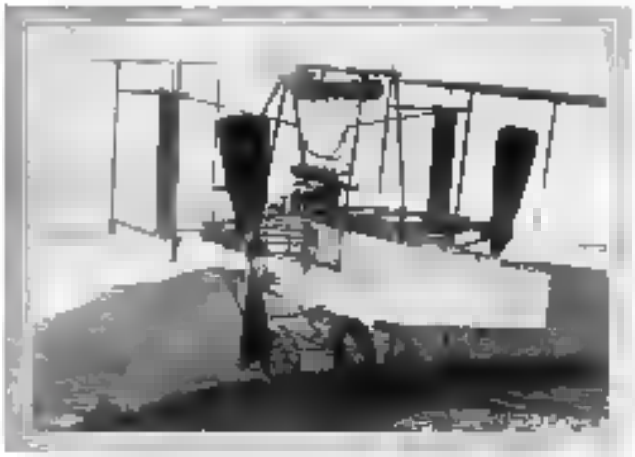
[illegible] Reference [illegible]

Side [illegible] the [illegible] experiments [illegible] this photograph [illegible] accurate [illegible] the varying [illegible] of the [illegible] is compared [illegible] as a [illegible] another [illegible] with all by studying the upper deck [illegible] the [illegible]

[illegible] the leading edge will of course [illegible] the [illegible] the [illegible] of turbulence [illegible] negative [illegible] an negative angle of incidence [illegible]

[illegible] leading details of the construction of [illegible] aeroplane sufficiently complicated [illegible] difficult to do simple by [illegible] that we have seen. Any [illegible] by itself, almost [illegible] [illegible] from the fuselage is apt to [illegible] [illegible] actually [illegible] [illegible] design, on a new [illegible] [illegible] taken up [illegible] [illegible] that [illegible] [illegible] [illegible] These photographs, [illegible] [illegible] [illegible] this most interesting [illegible]

The wings and [illegible] [illegible] upper surface was [illegible] [illegible] [illegible]



Another view of the propeller on the Dunne monoplane.

[illegible] as much as possible of the advantage of a main plane form in respect to maintaining head resistance, as because of the locality of these planes in respect to the supporting surfaces. A large main situated above the supporting surface gives rise to disturbances in the air currents similar to those set up and experienced by a warship [illegible] panel [illegible] applies to the supporting surface, which [illegible] inverted position. For the air [illegible] wind, in effect, disregard the [illegible] Arising [illegible] the [illegible] [illegible] From [illegible] of [illegible] probably [illegible] the re- [illegible] are sure to a warship [illegible] [illegible] a machine [illegible] [illegible] [illegible]

The propellers are [illegible] It is [illegible], and have a pitch of [illegible] in. [illegible] revolve in the same direction. The torque is balanced by a lead weight attached to one of the struts that protect the extremities of the wings. The propellers were constructed by Albert Brothers in the workshops of Cape Garden. These blades are fitted with [illegible] sprockets, and the crankshaft on the propeller-shaft has twelve teeth. The engine runs at about [illegible] r.p.m.

The petrol tank is carried in most easily accessible place, the engine on [illegible] frame and the radiator are mounted [illegible] the [illegible] in the natural circle.

The [illegible] which the machine is constructed is also an interesting [illegible] construction, although [illegible] the general form is not essential to its success.

The [illegible] designed at a time when the wheel [illegible] [illegible] and [illegible] [illegible] [illegible]

[illegible] **Aluminium Competition** [illegible] For the entire meeting. [illegible] £[illegible] [illegible] £[illegible]

[illegible]

[illegible] Competitors will be required to [illegible] who shall attain the highest [illegible] [illegible] meeting. The prize for the competition will [illegible]

[illegible] **Stewart Cup** [illegible] £[illegible] [illegible] will be awarded [illegible] the course at the above [illegible] [illegible] the winner of the [illegible] Clarke of the Course [illegible] [illegible] the above [illegible] [illegible] in the air and [illegible] the competitors.

[illegible] **Delivery of Competitors** [illegible] £[illegible] [illegible] £[illegible] [illegible] £[illegible] [illegible] £[illegible]

[illegible] £[illegible]

Competitors [illegible] [illegible] passage are given [illegible] [illegible] The number [illegible] [illegible] Clarke [illegible] [illegible] tickets will be [illegible] [illegible] Clarke will [illegible] [illegible] [illegible] the meeting [illegible]

[illegible] **Prizes for Competitors Attendant** [illegible]—The prizes [illegible] £[illegible] [illegible] £[illegible] [illegible] £[illegible] [illegible] £[illegible] [illegible] £[illegible] The above prizes will be [illegible] [illegible] Exhibition [illegible] [illegible] [illegible]

FLYING AT BROOKLANDS

[illegible] BROOKLANDS.—Mr. Claude Grahame-White, with [illegible] Ahd[illegible] in the passenger's [illegible] at Brooklands last Saturday [illegible] weather may not be [illegible] day [illegible] or [illegible]

[illegible]

[illegible]

[illegible]

[illegible] BROOKLANDS.—[illegible] Grahame-White's [illegible] the [illegible] Way

[illegible] ANDS. Mr. Lou[illegible] place [illegible]

Mr. George Barnes [illegible] Brooklands [illegible] Mr. Claude Upshaw [illegible] Wright Henry Farman [illegible]

MR. CECIL GRACE AT EASTCHURCH.

[illegible]

NEW BRITISH ALTITUDE RECORDS

[illegible]

BRITISH NOTES OF THE WEEK

A Call Measure by Major C. S. Rolls.

[illegible]

Training British Army Officers to Fly.

[illegible]

Royal Progress by Mr. Ulander.

[illegible]

Mr. Gibbs to England.

[illegible]

"Gossiping" Gas Again.

[illegible]

Admiralty and Rearmament.

[illegible]

Prize at Blackpool.

[illegible]

A Meeting for Ireland.

[illegible]

Mr. Gibbs's Flight C. S. Rolls.

[illegible]

Capt. Dyson's Dunsfold Park.

[illegible]

Models from the Museum Aviation.

[illegible]

A Very Mixed Group.

[illegible]

Prize Winning Model Aeroplanes.

[illegible]

[illegible]

Flying with the Wright Aeroplane

[illegible]

Zeppelin Cruiser [illegible]

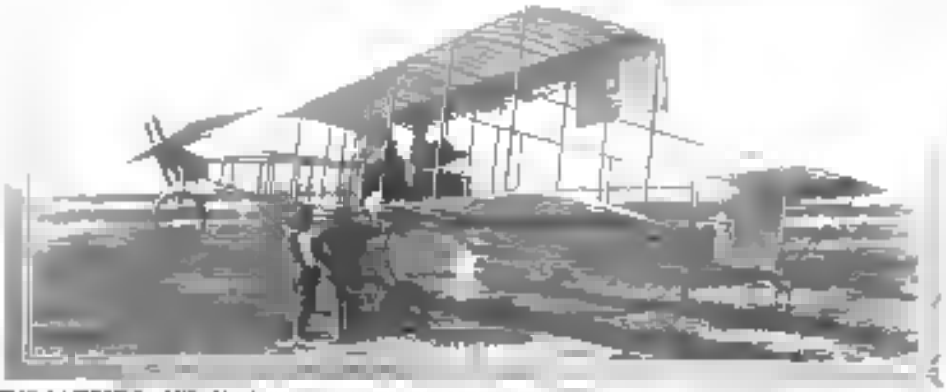
Cross-Channel Flight [illegible]

Motor Garage at Dunstall Park

[illegible]

CONTINENTAL FLIGHT MEETINGS.

Flying Week [illegible]



THE LATEST WOISIN MACHINE AS USED BY METROPOLITAN AVIATION MEETINGS. By comparing with the previous photograph on page 28[illegible] it will be noticed that two planes have been added to the top main planes, and the arrangement of the tail has been altered considerably.

[illegible]

[illegible]

T e Junior Meeting.

On Tuesday [illegible] and Thursday [illegible] last week, the Sta[illegible] [illegible] Anderson [illegible] Dolan [illegible] Henry [illegible] Anderson [illegible] Tuesday [illegible] Anderson [illegible] Dolan [illegible] Anderson [illegible] Anderson [illegible]

Gnat F ying Week.

[illegible] On Thursday the [illegible] [illegible] Anderson [illegible]

Rudgeyton Flying Meeting.

[illegible]

Prize for Longest Flight Without Landing.

Wagner [illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Prize for Longest Distance Without Landing.

Wagner [illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Height Prize.

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Speed Prize (Kilometre).

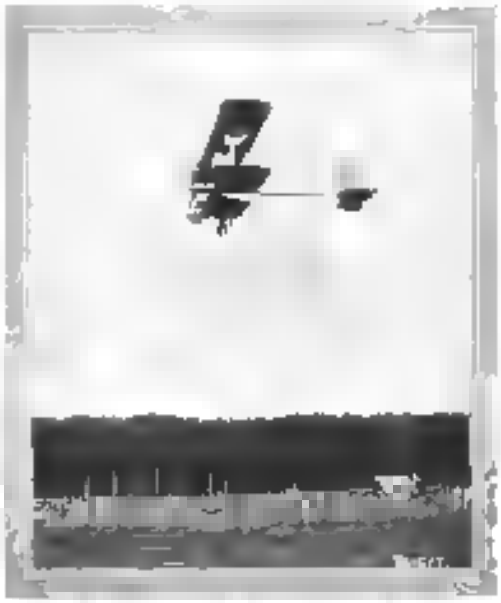
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Slow-Speed P ize (50 kilometre).

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Passenger Prize.

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]



R [illegible] R [illegible]

Mixed [illegible]

Starting Pin

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Beginners' P ize

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Pr z for New Makers

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Prizes for Hangar in Aviemore

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Quality Prize

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Cup [illegible]

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

Prize for Total Time.

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

FOREIGN AVIATION AND AIRSHIP NEWS.

French Trade Associations and the C.A.M.

[illegible]

Prize for Free to Mr. Lowe

[illegible]

French [illegible]

[illegible]

A snap of Chas. K. Hampton just before his flight from New York to Philadelphia.

[illegible] Middle's biplane.

[illegible]

[illegible]

[illegible]

Lieut. [illegible]

[illegible]

Capt. Earp takes Tumble.

[illegible]

Lodge [illegible]

The Ancient Spirit.—[illegible]

between 40 and 50 kilometers in hour and [illegible] [illegible] Some heights of [illegible] [illegible] [illegible]

The Royal Aero Club of the United Kingdom

OFFICIAL NOTICES TO MEMBERS

Committee Meeting.

A meeting of the Committee was held on Tuesday, [illegible] 1910, when there were present:—Mr. A. W. Maclure, [illegible] in the chair, Mr. Cecil Bruce, Mr. Ernest C. [illegible], [illegible] F. Cooper, [illegible] R. H. F. [illegible], Mr. [illegible], Mr. W. [illegible], Mr. C. F. Dowell, [illegible] E. Wells, [illegible], Mr. [illegible], Lieut. [illegible], Mr. A. M. [illegible], Mr. Stanley Spooner, and Ronald E. Patell, [illegible].

New Members. The following were nominated and elected:—

Miss Sawyer [illegible]
Col. Alexander [illegible]
Mrs. [illegible]
Miss [illegible]
J. [illegible] Gaillard.

Lunch International Aviation Meeting. [illegible] programme [illegible] Meeting [illegible] The following [illegible]

Aviation Exhibition. The following [illegible] were elected:—

[illegible]

Aviation Meetings. Aviation [illegible]

Rheims [illegible]
Rochester [illegible]

These dates were provisionally [illegible] and subsidiary [illegible] Mr. Lionel C. Hankey [illegible] the Secretary [illegible] to inform the Secretary [illegible] date.

International Aviation Meeting.

The Internal and aviation [illegible] commission to Monday the [illegible]

Hall Accommodation. [illegible] Secretary of the Club.

Arrangement of Motor Boat.

The Motor Boat [illegible] Mr. [illegible] [illegible] Mr. [illegible] [illegible] challenge [illegible] Mr. [illegible] [illegible] Mr. [illegible] [illegible] Mr. [illegible]

PROGRESS OF FLIGHT ABOUT THE COUNTRY.

[illegible]

Aeroplane Building and Flying Society

[illegible]

Aviation Association of [illegible]

[illegible]

Model Aero Club in Japan [illegible]

[illegible]

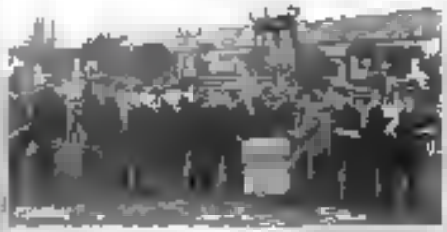
Sh Blind and Th [illegible] Aero Club of Country [illegible]

[illegible]

Wonderful Aerial [illegible]

[illegible]

YORKSHIRE CLUB'S MODEL COMPETITION AT LEEDS



YORKSHIRE AERO C

YORKSHIRE AERO CLUB MEETING

CORRESPONDENCE.

*** The name and address of the writer must be clearly [illegible] or not [illegible]

Correspondents asking questions relating to articles which they have read in FLIGHT would much facilitate our work of referring by giving the number of the letter

Note.—Owing to the great mass of valuable and interesting [illegible] for [illegible] will appear [illegible] in [illegible] order [illegible] receipt.

THE PLANE AEROPLANE CONTROL

[illegible]

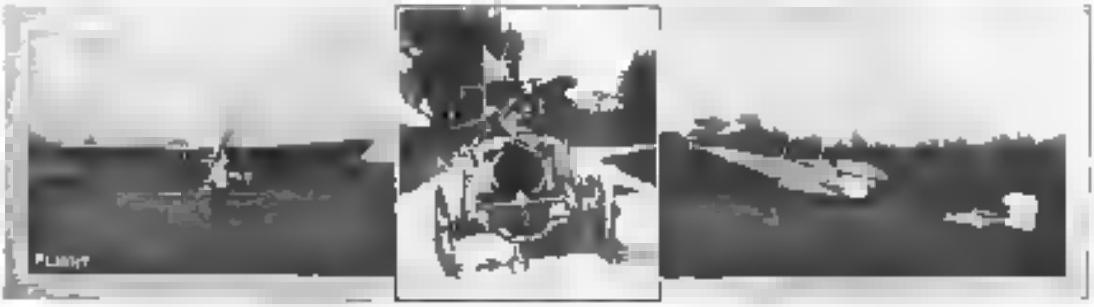
[illegible]

KING EDWARD PLANES

[illegible]

A HOLIDAY IN NORTH WALES

[illegible]



Mr. Vivian V. D. Hewitt's Motor.

POWER REQUIRED.

[illegible] In reply to Mr. [illegible]'s query [illegible] in your issue of April [illegible], 1910, [illegible] to calculate [illegible] gives [illegible] 25 h.p. [illegible] and, say, [illegible] total weight, [illegible] 600 lbs., taking angle of incidence [illegible]

At a speed of [illegible] it should require [illegible] 55 lbs. at a given angle of incidence.

Therefore 180 lb. it should require [illegible]

Taking into account the approximate [illegible] and wind resistance necessitating good design and construction [illegible] the value of "lift" [illegible] 1 [illegible] The [illegible] which will be [illegible] or pull required of the propeller when revolving to would [illegible] 1 [illegible] per sec.)

Therefore, [illegible] required [illegible] 55 × 25 = 2 [illegible]
550

The total horse-power necessary will, of course, depend on the efficiency of the particular design of propeller employed.

[illegible] assuming [illegible] efficiency of 50 per cent., which is a very low [illegible] the horse-power would be 2[illegible]

[illegible] the above data and figures appear approximately correct, [illegible] the Rolls cross-Channel monoplane given in issue of FLIGHT for April 23rd, [illegible] p. 367, and to which I refer [illegible] "Flight," the same weights, [illegible] and similar to those in question.

Dublin. R. L. B. [illegible]

THE GNOME ENGINE.

[illegible] [illegible] P. H. [illegible] [illegible] [illegible]